



EXPRESS MAIL NO. EV 384065899 US

*DCE - Interface between  
terminal & line circuit  
i.e., on NIC*

*Priority Date  
9/21/99*

PATENT APPLICATION

Docket No: 15689.58

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Keizaburo Sasaki et al.

Serial No.:

09/667,084

Filed:

September 21, 2000

For:

DATA CONVERSION APPARATUS, SIGNAL,  
DATA CONVERSION METHOD, DCE,  
GATEWAY AND COMMUNICATION  
APPARATUS

Customer No.:

022913

Art Unit  
2171

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**MAR 29 2004**

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INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

Since all listed references are either in the English language or are accompanied by a translation into English, no concise explanation of relevance is required under 37 C.F.R. § 1.98(a)(3).

DATED March 23, 2004.

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785  
Customer No. 022913

AJL: ds  
DS0000001803V001

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Keizaburo Sasaki et al.

Docket No.

15689.58

Serial No.

09/667,084

Filing Date

September 21, 2000

Examiner

Not Yet Assigned

Group Art Unit

2171

Invention:

DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY AND COMMUNICATION APPARATUS

MAR 25 2004

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I hereby certify that the following correspondence:

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March 25, 2004

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ADRIAN J. LEE

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EV 384065899 US

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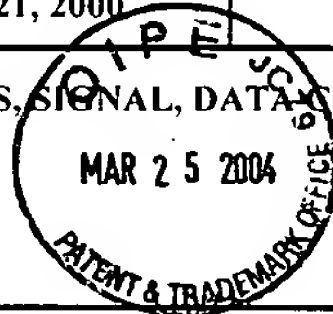
Transmittal for Information Disclosure Statement (2 pages; duplicate);  
Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);  
Form PTO-1449 Listing of References (1 page);  
Legible Copy of References; (4 references)  
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03-26-04

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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))Docket No.  
15689.58

In Re Application Of: Keizaburo Sasaki et al.

**RECEIVED**  
MAR 29 2004Serial No.  
09/667,084Filing Date  
September 21, 2000Examiner  
Not Yet AssignedGroup Art Unit  
2171**TC 2600**Title: DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY  
AND COMMUNICATION APPARATUS**RECEIVED**

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Address to:  
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**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);**OR**☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

15689,58

In Re Application: Keizaburo Sasaki et al.

MAR 25 2004

Serial No.

09/667,084

Filing Date

September 21, 2000

Examiner

Not Yet Assigned

Group Art Unit

2171

**DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY  
AND COMMUNICATION APPARATUS****RECEIVED****Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

MAR 29 2004

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- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 23-3178  
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Signature

Dated: March 25<sup>th</sup>, 2004

ADRIAN J. LEE

Attorney for Applicant

Reg. No.: 42,785

Customer No.: 42,785

cc: